The gift of the Rev. Mr. Flynt to the Min. of Dorchester

The way Hon. Minister of Dorchester, New England, A.D. 1756.

MDCLVI

ALMANACK

FOR THE YEAR OF
OUR LORD
1656.

Being first after Leap year
from the Creation 5588.

Whose Fulgor Notes are,

Golden number	4.	*Cycle of the Sun*	13.
Romane Indict.	9.	*The Epact*	14.
Dominicall letter		E.	

Calculated for the Longitude of 315
gr. and 42 gr: 30 m. of N. Lat:
and may Generally serve for
the most part of
New England.

By. T. S. Philomathemat:

CAMBRIDG
Printed by *Samuel Green* 1656.

AY201
.C3A46
1656

There will be three Eclipses this year, one of the Sun, and two of the Moon.

The first Eclipse will be of the Moon, upon the [illegible] of June not visible by us, in regard the Moon will, at the time of the opposition, be set under our Horizon. But may be seen in the Eastern Indies &c:

The Second Eclipse will be of the Sun, upon the 11 of July not visible by us, in regard of the Southern Latitude of the Moon but will be seen in the Streights of Magellanics &c: Formidable to the Spaniards on the South of Jamaica.

The third Eclipse will be of the Moon, upon the 21 day of December.

The begining 4 h. 26 m.
The middle. 6 h. 30 m. [illegible]
The end. 8 h. 34 m.

So that the duration of it will be 3 h. 48 m. [illegible] digits eclipsed 17: The Sun rise forbids the sight of the [illegible] of this Eclipse, but the begining may be seen by those [illegible] venture to be stirring before break of day.

The time of the Sun entring into the four Cardinal Signes.

The Spring quarter begins, when the Sun enters into Aries, making our day & night equall, which is upon the 9 day of March, 10 m. past 3 after noon.

The Summer quarter begins, when the Sun enters into Cancer, making our longest day and shortest night, which is upon the 10 day of June. 11 m. past 6 at even.

The Harvest quarter begins, when the Sun enters into Libra, making day & night equall, which is upon the 12 of September, 7 m. past 9 before noon.

The Winter quarter begins, when the Sun enters into Capricorn, making our shortest day and longest night, which is upon the 10 day of December, 41 m. past 8 at night.

The use of the Almanack.

Next under the title of the month is set down the time of the Sun's rising and setting on the first, tenth, and twentieth day of every month. And underneath in the first Column are the month-letters. In the second Column the week-dayes. In the third the Signes the Moon is in. In the fourth the Courts, Changes of the Moon, her Perigie & Apogie, and when in her Nodes, with the [illegible] powerfull aspects of the Planets.

The first month called March hath xxxj dayes.

On the 1 day ☿ sets with 6 12 m. ☉ rises at 6 00 m. ☽ rises at 6 00 m. ♄ sets at 6 45 m.
On the 15 day ☿ sets with 6 00 m. ☉ rises at 5 45 m. ☽ rises at 6 25 m. ♄ sets at 6 00 m.

dayes			
1	7		☌☿☽. △♀☽.
2	1		
3	2	Scorpio.	☌☤☽. Court of Adm. at Bofton &c N-haven &c
4	3		(☍♂☽
5	4		
6	5	Sagitar.	Quart. Court Hartford. △☿☽. &c
7	6		☾ Laſt quarter 41 m. (△♄♂
8	7	Capric.	paſt 2 after noon.
9	1		☉ in ♈. ☾☌♄.
10	2		(Court now sitting)
11	3	Aquarius	♂♀☽.
12	4		
13	5	Piſces	
14	6		☌♄☽. Lun. Apogie.
15	7		● New moon 12 m. paſt 8 night.
16	1	Aries	♂☌☿☽.
17	2		☿ direct.
18	3	Taurus	♂☌☤☽.
19	4		♂☍♄☽. △♄☽.
20	5	Gemini	
21	6		☿ in ♓. ☾ Secõd quarter 21 m.
22	7	Cancer	paſt 5 in morn.
23	1		♂ in ♊. ☌☉☿. ☽☍♆.
24	2		
25	3	Leo	Quart. Court at Ipſwitch. ☽ prt. &c
26	4		☌☌☽. △☤☽. (△☿☾
27	5	Virgo	☌♄☽.
28	6		△☌☽.
29	7	Libra	☌☿☾. ● Full moon 22
30	1		m. paſt 10 at night.
31	2	Scorpio.	☌☤☽. △♀☽.

THE Poſt that brings us news of Spring
Made equal judg to end the ſtrife
'Twixt day and night, will quickly bring
Our buried Grandam unto life;
A Ram muſt firſt the cold aſſwage:
The mother by the babe begott
Shall dance for joy, and ſcorn the rage
Of ſtormy Boreas cannon ſhott.

The ſecond month called *April* hath xxx dayes.

Month	Week	On the		day ☽ Sun riſeth at		& ſetteth at	
dayes				☽ 28 m.			6 32 m.
			10	☽ 14 m.	5	& ſetteth at	6 46 m.
				☽ 03 m.			6 57 m.

1	3		County Court Cambridge & N-hamſ
2	4	Sagitar.	☽ ☌ ☾. ✱ ☌ ♀.
3	5		
4	6	Capric.	☽ ♄ ♀.
5	7		△ ♅ ☾. ☽ ☊.
6	1	Aquarius	☾ Laſt quarter 5 m. paſt 10 before noon.
7	2		
8	3		☾ Apog. Court at Salisbury.
9	4	Piſces	☉ in ♉.
10	5		☽ ♄ ☾. ☌ ♀ ☿.
11	6	Aries	
12	7		☌ ♀. ☾.
13	1		
14	2	Taurus	☌ ♅ ☾. Artil. Cambr: ● New moon 8 m. paſt 10 forenoon
15	3		♀ in ♈.
16	4	Gemini	
17	5		☌ ☌ ☾. □ ♄ ☌.
18	6	Cancer	
19	7		☾ ♆.
20	1	Leo	
21	2		☾ perig. ☽ Second quarter 40 m. paſt 11 forenoon
22	3		☌ ☉ ♃.
23	4	Virgo	☌ ♄ ☿.
24	5		
25	6	Libra	☽ ♀ ☾.
26	7		☽ ♀ ☾. △ ☉ ♄.
27	1	Scorpio	(before noon.
28	2		☌ ♅ ☿. ○ Full moon 40 m. paſt 8
29	3	Sagitar.	✱ ☌ ♀ County Court at Boſton.
30	4		

THE ſtout Celeſtial waggoneer
Nowewith the ſturdy Bullock ſtrives.
And in a flaming ſwift carreer,
For thirty dayes together drives:
No wonder then (with plowing ſpent)
He make's our earth ſo moiſt and ſoft,
If all his drops of ſweat be ſent
Down from the water-ſpouts aloft.

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The third month called *May* hath xxxj dayes.

month	week			
dayes		On the 1 / 10 / 20 day ☉ Sun	riseth at 4 51 *m.* / 4 42 *m.* / 4 34 *m.*	& setteth at 7 09 *m.* / 7 18 *m.* / 7 26 *m.*

1	5	Capric:	♄ ♂ ☾.
2	6		
3	7		☾ ♑.
4	I	Aquarius	☿ in ♉.
5	2		☾ Apog.
6	3	Piſces	N-havē Court. △♄♆. ☽ Laſt quar
7	4		☌♄☾. (ter 31 *m.* paſt 4 morn
8	5		
9	6	Aries	
10	7		
11	I	Taurus	☉ in ♊.
12	2		♂ ♀ ☾. ♀ in ♉.
13	3	Gemini	♂♆. △♄♀.♂♀☾. Artil. Camb
14	4		✶♂♀. ● New moon 16 *m.* paſt 9
15	5		Court of *ELECTION* Boſtō. (night
16	6	Cancer	Court of Election at Hartford.
17	7		☌ ♂ ☾.
18	I	Leo	☾ ♍.
19	2		
20	3	Virgo	☾ Perig.
21	4		♀ in ♊. ☾ Second quarter 57 *m.*
22	5	Libra	☌♄Lun. (paſt 4 afternoō.
23	6		
24	7	Scorpio	
25	I		△ ♄ ♀.
26	2	Sagitar.	☍ ♆ Lun. ☍ ♀ ☾.
27	3		
28	4		☍♀☾.☌☉♀.□☉♄. ○ Full moō
29	5	Capric:	12 *m.* paſt 8 night. Court Eleſt. N-
30	6		☍☌☾. (haven
31	7	Aquarius	

NOw Sol hath ſcap't the Oxes horn,
The Ram, the winds, the ſtormes, and harms;
The loving Twins by Leda born,
Will entertain him in their arms.
And Flora ſmile's to feel thoſe beams
Which whilom were with-drawn ſo long,
The pratling birds, the purling ſtreams
Do carroll forth her wedding ſong.

The fourth month called June hath xxx dayes.

On the 1 day ☽ Suntiseth at 4 28 m. & setteth at 7 32 m.
10 4 27 m. 7 33 m.
20 4 28 m. 7 32 m.

month dayes	week dayes		
1	1		
2	2	Pisces	☾ Apog. ARTIL. Electis Boston. N-haven Court. ✶ ♄ ♂ ☿ in ♋. ☌ ♄ ☾. ☽ Last quarter 16 m. past 10 Court at Hartford. ☿ in ♊. (nights
3	3		
4	4		
5	5		
6	6	Aries	
7	7		
8	1	Taurus	
9	2		
10	3	Gemini	☌ ☽. Artilery at Cambridg. ☌ ☿ ☽. ☉ in ♋.
11	4		✶ ♄ ☿.
12	5	Cancer	☾ New moon 34 m. past 6 in morn
13	6		☌ ♂ ☽. ☌ ☿ ☽. ☾ ♀.
14	7	Leo	
15	1		☾ Perig. ✶ ♃ ☿. ☌ ♂ ☿.
16	2	Virgo	
17	3		(town.
18	4		☌ ♄ ☾. ✶ ♃ ♂. Coūt. Court Charls
19	5	Libra	☾ Second quarter 17 m. past 9 nights
20	6		□ ♄. ☿. ☿ in ♌.
21	7	Scorpio	
22	1		☌ ♃ ☾.
23	2	Sagitar	
24	3		☌ ☿ ☽. Court at Salem.
25	4	Capric:	☌ ♂. in ♑.
26	5		☌ ♄. ☾ Full moon 20 m. past 9
27	6		☌ ☉ ☾. ☌ ☿ ☾. (before noon.
28	7	Aquarius	
29	1		☾ Apog.
30	2	Pisces	✶ ☉ ♄. ☿ in ♋.

As Phœbus seale's the lofty skie,
The sullen Crab's enraged ire
Wil put him to a Stand to spie
Where he in safety may retire:
And now the fiery dog's so nigh,
That he will no where here remain;
He dream's no more of rising high,
But paceth gravely down again.

The fifth moneth called July hath xxxj dayes.

			4 33 m.		7 27 m
	1		4 40 m. &	seweth at	7 20 m
On the	10	day ☉ Sun riseth ♌	4 50 m.		7 10 m
	20				

1	3		New-haven Court.	☌♄☽.
2	4			
3	5	Aries	△☿☾. ☾ Last quarter 16 m. past 1 (afternoon	
4	6			
5	7	Taurus	△♄☾.	
6	1			
7	2	Gemini	☌☿☾.	
8	3			
9	4		☌☾. ☾♍. ☿ in ♌	
10	5	Cancer	New moon 18 m. past 2 aft noon	
11	6		☉ in ♌.	
12	7	Leo	☾. Lun. Lun. Perig.	
13	1			
14	2	Virgo	Lun.	
15	3		✶♄☿.	
16	4	Libra		
17	5			
18	6	Scorpio	☿ Retrograde. ☽ Second quarter (10 m. past 5 in morn.	
19	7			
20	1	Sagitar.	☌☿ Lun.	
21	2			
22	3			
23	4	Capric:	Lun. ☌♄.	
24	5		☿ in ♌.	
25	6	Aquarius	☿☿ Lun.	
26	7		Full moon 46 m. before 1 morn. &	
27	1		☌♂ Lu. ☌☿Lu. ✶☿☿. ☾ Ap	
28	2	Pisces	☌♂☿.	
29	3		☌♄ Lu. County Court at Boston	
30	4	Aries	☌☉☿.	
31	5		△☌ Lun.	

NOw Titan past the cancker'd clawes
Of feverish burning fits is gott.
And through the ramping Lyon's pawes
He hurrieth down his Charriott.
At whose approaching majesty
Ten thousand millions gazing stand
Aray'd each in their livery
They humbly waye on his command.

The ſixth month called *Auguſt* hath xxxj dayes.

month dayes	week			
		On the 1 10 20 day ☽ Sun riſeth at	☽ 03 m. ☽ 15 m. ☽ 28 m.	& ſetteth at 6 57 m. 6 45 m. 6 32 m.
1	6	Taurus	☐ ☿ ☾.	
2	7			
3	1		☾ Laſt quarter 16 m. paſt 2 morn.	
4	2	Gemini	☌ ♄ ☾.	
5	3		New-haven Court.	
6	4	Cancer		
7	5		☾ Apog.	
8	6	Leo	☌ ☿	
9	7		☌ ☿ ☉. ● New moon 55 m. paſt 9	
10	1	Virgo	☌ ♂ ☽. ☾ Peri. (night.	
11	2		☌ ♄ ☽. ☌ in ♍. ☿ direct	
12	3	Libra	*COMMENCEMENT.*	
13	4		☉ in ♍.	
14	5	Scorpio		
15	6			
16	7	Sagitar	☍ ♃ ☾ ☌ ☉ ♂. ☾ Second quarter	
17	1		☐ ☽ ♃ ☿ in ♍ (52 m. paſt 2 aftnoõ	
18		Caprie:	☐ ♂	
19	3		☾ ♑.	
20	4			
21	5	Aquarius	☐ ♃ ☿.	
22	6			
23	7	Piſces	☍ ☿ ☾. ☌ ♂ ♂ ☿	
24	1		☍ ♂ ☽. ☍ ☿ ☽. ☾ Ap ● Full moõ	
25			☍ ♄ ☽. (15 m. paſt 4 aft. noõ.	
26	3	Aries		
27				
28	5	Taurus	☿ in ♍.	
29	6			
30	7		☐ ♃ ☿. (before noon.	
31	1	Gemini	☌ ♃ ☽ ☾ Laſt quarter 24 m paſt 9	

APollo waite's Minerva's hap,
And deigne's her lowly muſine to ſee,
The's plac't i'th Virgin-Muſes lap
Attended by the Graces three.
Her ſcorned children now reioyce
To meet with their Mecenas here,
Her walls ſhall ſing with Eccho's voyce,
And muddy'd Helicon be clear.

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The seaventh month called *September* hath xxx dayes

Vnder								
the								
Sign								
dayes								
		On the	1	day ☽ Sun riseth at	5 44 m.	& setteth at	6 16 m.
			10		5 57 m.		6 03 m.
			20		6 11 m.		5 42 m.

1	2		
2	3	Cancer	☌☉♀. Court of Assist. Bost. & N- (haven.
3	4		☾ ♆.
4	5	Leo	☿ ☌ ♀. Quarter Court Hartford
5	6		
6	7	Virgo	☾ Perig. ☌. ♄ ♀.
7	I		☌ ☌ ☾.
8	2	Libra	Artil. Elect. Cambr. ● New moo
9	3		46 m. past 5 morn. ☌☉♄. ☌♄☾. &
10	4	Scorpio	☿ in ♎. (☌♀☾. ☌♀☽.
11	5		☌ ☉ ♀.
12	6	Sagitar.	☉ in ♏. ☿ in ♐.
13	7		☉ ♃ Lun.
14	1	Capric:	
15	2		△♀. ☾♑. ♃ Retro. ☾ Second
16	3		△♀. (quarter 16 m. past 4 morn.
17	4	Aquarius	☌ ♀. ☿.
18	5		△ ☉ ♃. △ ♀ ☾.
19	6		
20	7	Pisces	☾ Apog.
21	I		
22	2	Aries	☌ ♄. ☾. ☌ ☌ ☾.
23	3		☌♀☾. ☍♂. ● Full moo 42 m.
24	4		☌☿ Lun. (past 8 before moo
25	5	Taurus	
26	6		
27	7	Gemini	☌ ♃ ☾. ☌ in ♋.
28	1		
29	2	Cancer	☿ in ♏. (ter 19 m. past 11 night
30	3		☾ ♆. Court Ipswitch. ☾ Last qua.
1	4		

THE glorious Monarch of the Sky,
Times moderator, keep's his Court,
The Scoales of Justice hanging by
The golden Mean: And here resort
Pomona bringing mellow fruit,
And Ceres corn upon her back,
And kind Silvanus spread's this bruit;
His bugget's full of nutts to crack.

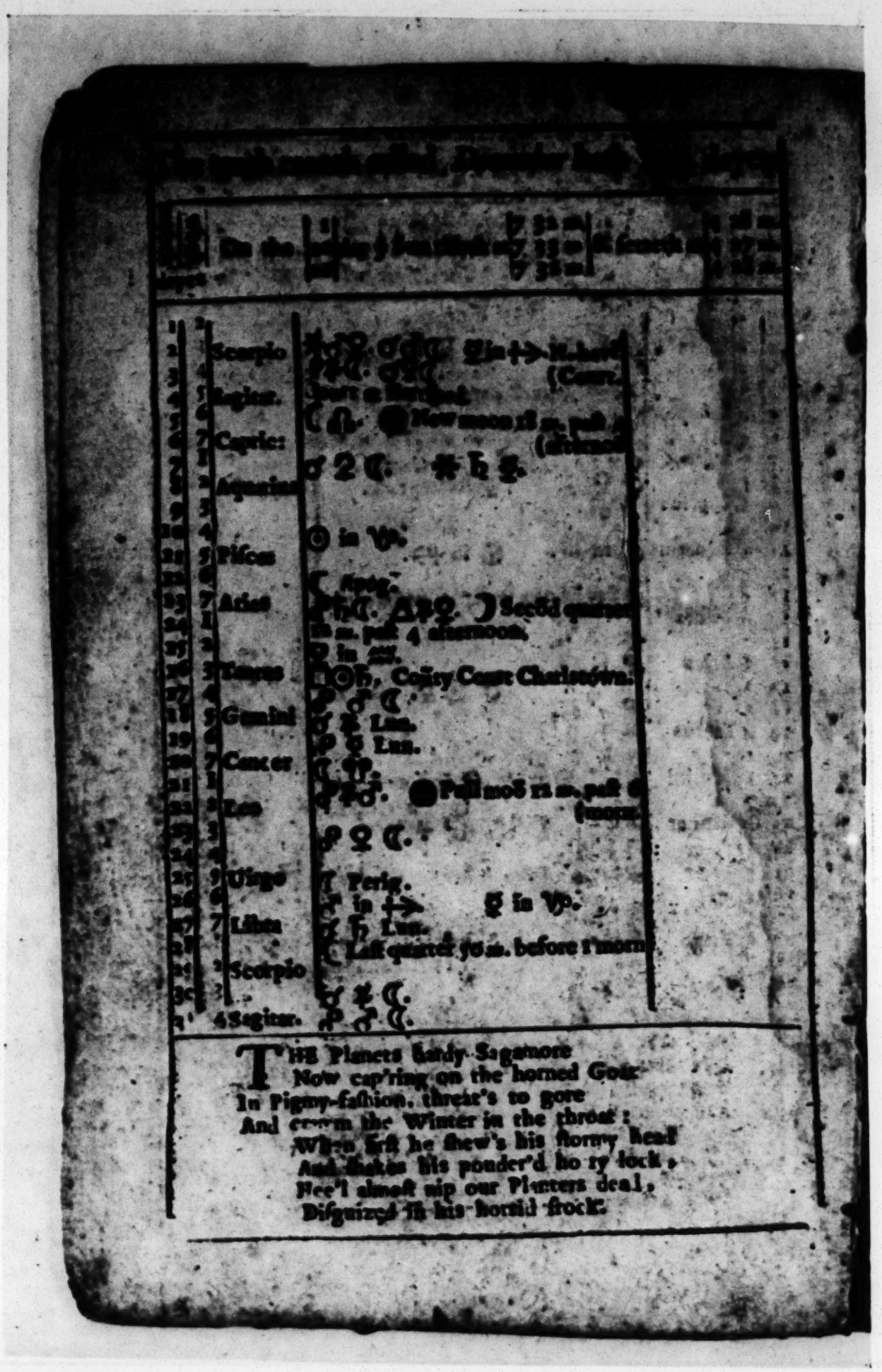
The eight moneth called October hath xxxj dayes.

month	week					
		On the	1	day ☌ Sun riseth at	6 27 m.	☌ ſetteth at 5 33 m.
			10		6 39 m.	5 31 m.
dayes			20		6 53 m.	5 08 m.

1	4		□ ☿ ☽.
2	5	Leo	□ ☉ ☾.
3	6		
4	7	Virgo	☍ in ♏. ☽ Perig.
5	1		☍ ♄ ☾. △ ♃ ♂.
6	2	Libra	☍ ☾.
7	3		Court Cambr. & N-have: ● Mer-
8	4	Scorpio	cioon 57 m. past 2 afr. noõ ☌ ☿ ☾ &c
9	5		☌ ♀ ☾.
10	6	Sagitar.	♂ ♃ ☽. ♄ in ♑.
11	7		
12	1	Captic:	
13	2		☽ ♑. ☉ in ♏.
14	3		☾ Second quarter 1 m. before 10 at
15	4	Aquarius	△ ♂ ☾. night.
16	5		
17	6	Piſces	□ ♃ ☾.
18	7		☾ Apog.
19	1		☍ ♄ ☾.
20	2	Aries	
21	3		
22	4	Taurus	☌ ♂ ☾. ☿ in ♑. ✶ ♃ ♀.
23	5		● Full moon 4 m. before 1 morn.
24	6	Gemini	☌ ♃ ☾. ☌ ♀ ☾. ☌ ♀ ☾ ☍ ♄ ♀.
25	7		
26	1		
27	2	Cancer	☾ ♀.
28	3		☿ in ♑. Counry Court at Boſton
29	4	Leo	
30	5		☽ Laſt quarter 52 m. paſt 7 forenoõ
31	6	Virgo	☾ Perig. ☍ ♃ ♀. ✶ ♄ ♀.

Some buſie-bodys late at night
Walking abroad at Spring of th'yeer.
Before Hev'ns eye which ſhines ſo bright
This month are ſummon'd to appear.
Who with him ſhall a Scorpion bring
To punith thoſe that guilty bee;
That who ſo needs muſt feel the ſting
Shall evermore diſorder flee.

The ninth Month called November hath xxx dayes.



'Tis Planets hardy Saganore
Now cap'ring on the horned Goat
In Pigmy-fashion, threat's to gore
And scorn the Winter in the throat:
When first he shew's his stormy head
And shakes his ponder'd hoary lock,
Nee'l almost nip our Planters deal,
Disguiz'd in his horrid frock.

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The eleventh month called *January* hath xxxj dayes.

Month dayes	Week					
On the	1	day ☉ Sun riſeth at	7 25 m.	& ſetteth at	4 35 m.
	10		7 17 m.		4 43 m.
	20		7 06 m.		4 54 m.

1	5		
2	6	Capric.	☾ ♄. ☌ ☾.
3	7		
4	1		● New moon 48 m. paſt 8 before
5	2	Aquarius	△ ☉ ♆. □ ♆ ♀. (noon
6	3		Court at New-haven.
7	4	Piſces	☌ ♀ ☾.
8	5		Apog.
9	6		in ♓. ☉ in ♒.
10	7	Aries	☌ ♄ ☾.
11	1		
12	2	Taurus	☾ Second quarter 53 m. paſt noon.
13	3		
14	4	Gemini	☌ ♆ ☾. △☉♄. ☿ in ♒.
15	5		☌ ♂ ☾.
16	6		☌ ♀.
17	7	Cancer	△ ♄ ♀.
18	1		
19	2	Leo	☌☿☾. ● Full moon 31 m. paſt 6
20	3		(night.
21	4	Virgo	☌ ☉ ☿.
22	5		☌ ☿ ☾. ☾ perig.
23	6	Libra	☌ ♄ ☾.
24	7		
25	1	Scorpio.	□ ♂ ♀.
26	2		✶ ♂ ♀. ☾ Laſt quarter 44 m. paſt 9
27	3	Sagitar.	☌ ♆ ☾. (before noō
28	4		
29	5		County Court Boſtō. ☌ ♂ ☾. ♈♑
30	6	Capric.	✶ ♆ ♀. (□♆♀.
31	7		☿ in ♓.

AND now at length the Elf he ſpie's
Half frozen by a River ſide
Sir champing of a cake of ice,
While Boreas chap's his rugged hide;
The Iceſicles hang dangling down
About his mouldy ſhrivled ſkin:
He firſt flea's off his ſnow-bald crown,
And then to drown him doth begin.

The twelfth moneth called *February* hath xxviij dayes.

Month dayes									
		On the	1	day ☉ Sun riſeth at	6	52 m.	& ſetteth at	5	08 m.
			10		6	39 m.		5	21 m.
			20		6	27 m.		5	33 m.
F	1			☿ in ♈.					
2	2	Aquarius	N-haven Court. ● N-moon 57 m.						
3	3		paſt 2 morn. ☌☿☾. & ☾ Apog.						
4	4	Piſces	□ ☉ ♃.						
5	5		☍ ♄ ☾. ☌ ☿ ☾.						
6	6	Aries	☍ ☉ ♂.						
7	7		☉ in ♐. ♂ in ♑.						
8	1								
9	2	Taurus	☌ ♃ ☾.						
10	3		☽ Second quarter 21 m. paſt 7 in (☽ morn.						
11	4	Gemini							
12	5								
13	6		☌ ♂ ☾. Lun. ♆.						
14	7	Cancer	□ ♄ ♂.						
15	1								
16	2	Leo	△ ☿ ☾.						
17	3								
18	4	Virgo	● Full moõ 44 m. paſt 4 in morn. &						
19	5		☌ ♄ ♃. ☌ ☿ ♃. (✱ ☿ ♆. ☾ Perig.						
20	6	Libra	☌ ☿ ☾. ☿ in ♈.						
21	7								
22	1	Scorpio							
23	2		☌ ♆ ☾.						
24	3	Sagitar.	☾ Laſt quarter 9 m. paſt 9 at night.						
25	4								
26	5	Caprie.	☌ ♂ ♃. ☾ ♑.						
27	6		☿ in ♓. ☿ in ♉.						
28	7	Aquarius	✱ ☿ ☿.						

Signes in the Skie ſhall now appeare,
The Fiſh ſhall ſwim about the Sun.
And mighty changes ary us here
Before this winter next be done.
This Land which ſomtime flouriſhed
Shall in a deſing ſtate be found;
Opinions will increaſe and ſpred,
And Quakers every where abound.

M. D. L. VI.

A Brief Explication of the most observable Circles in the Heavens.

THE Stars being an universal living dyal appointed to divide between day & night, and to be for signs & seasons: That they may therefore dispatch the errand they were sent about, they must necessarily move: which that they may orderly do, and that their revolutions may be known to us: Astronomers have found out both the Orbs or Spheers wherin they are seated, & also § Circles according to which their wheelings are. which though they are not Physically engraven over our heads, yet are they as really there traveled by § Stars, and to be considered as § very motions themselves. The main end of these Circles is to lay out & describe § parts & bounds of § Heavens; & to keep within compass those Celestial indefatigable travailers, that their mutual aspects, & § riddance they make continually may be observed & declared. Every Circle is conceived to be divided into 360 parts, which are called degrees, a degree into 60 parts called minutes, & those again into smaller Circles as § distinct exactness of calculation may require. These Circles are Movable or Immovable. The movable are those which are supposed to turn round over our heads, caried along w the *Primum mobile*, and are § same to all peoples as the Equator, Zodiack, 2 Colures, 2 Tropicks, 2 Polar-Circles, of these again some are called Greater, others less. The greater movable circles are those which gird § world in § midst & divid it in half: The Equator is a greater movable Circle in § midst of § Heavens, lying equally distant from § Poles of § world: this is called § Equinoctial line because § Sun twice a year viz. in March & Septemb: moving in this circle, makes our day & night equal. The Zodiaque is a greater movable Oblique & broad Circle, under which § 7 Planets always move, crossing § Equator in § two Equinoctial points, so that half of this Circle lyeth Northward, and § other half Southward of § Equator. Of all other Circles, this only (as § girdle of § world hooping it about) hath breadth allotted to it. viz. 16 gr: In § midst of this is § Ecliptick line, § path out of which the Sun never goes as § other Planets do, (though none ever out of § Zodiack) whose distance from § Ecliptick is in special called their Latitude. Its called § Ecliptick because when ever ☾ crosses ☉ in this Circle diametrically, ther's an Eclipse, either of § Sun at their conjunct: at New moon; or of § Moon in their opposition at its Full, and at no other time. According to § course of their Circle, are § degrees of Longit: measur'd, begining from ♈ to ♉ & foreward to § same point again 360 gr: for in this Circle are the 12 signes described, each taking up 30 gr: of Longit: wherof § Sun runns 59 m. & 8 seconds of a degree every day. The Colures are greater movable Circles cutting § Equator, & crossing one another in § Poles of § world with right Angles. They are 2 the Equinoctial & § Solstitial. The Equinoctial bissecates § world at § Equinoctiall

points

points, viz: Aries & Libra: The Solstitiall Colure at ȳ Tropicall points of ȳ Ecliptick, viz: at Cancer & Capricorn; The Less Movable Circles follow, which are such as divide ȳ heaven into two unequal parts; and are parallel to ȳ Equator. And these are Tropical, or Polar. The Tropical Circles are those which are drawn at ȳ points of ȳ greatest North & South declinatiō of ȳ Sun, which are 23 degrees & 30 minutes off from ȳ Equator at ȳ farthest bending of ȳ Ecliptick on either side of it, & these are two; The Tropick of Cancer, & ȳ Tropick of Capricorn: The former is ȳ Circle in which ȳ Sun moves when he enters into ȳ first degree of Cancer, at our Summer Solstice: The Tropick of Caprie: is ȳ Circle in which the Sun moves when he enters into the first degree of Capricorn at our Winter Solstice. The Polar Circles are those which are drawn between ȳ Tropicks & ȳ Poles of ȳ world, which are also two, the Arctick & ȳ Antarctick circle. The Arctick or North Circle is that which is drawn round about ȳ North Pole. The Antarctick or South Polar Circle is ȳ which is drawn about ȳ South Pole, each of them being at 23 gr: & 30 *min.* of Latitude from their Poles. The spaces between these Circles are called ȳ Zones, wherof there are five, two extream cold, between ȳ Poles & ȳ polar circles, two temperate ones between ȳ Polar Circles & ȳ Tropicks, and one torrid Zone, lying between the Tropicks themselves. The Immovable Circles follow, which are conceived not to move at all, and these also divide ȳ Heavens in ȳ midst, & are two, *viz:* the Horizon, and ȳ Meridian: The Horizon is a greater Immovable Circle which separateth ȳ visible Hemisphear from ȳ which is not seen by us, the Poles of it are two, the one is ȳ point of ȳ heavens which is perpendicularly over our heads called ȳ Zenith. The other Pole is a point diametrically opposite to it downward, which is called our Nadir. The Horizon is either 1. A Right one, *viz:* which makes right angles with ȳ Equator at their intersection: So that the Poles of this Horizon are in ȳ Equator. 2. Oblique, which makes oblique angles ẅ the Equator at their intersection, whose Poles are not in ȳ Equator. 3. A Parallel Horizon when ȳ Equator is ȳ very Horizontal Circle, & therfore its Poles are ȳ Poles of ȳ world: they therfore who live directly under ȳ Equator have a right Horizon: they who live directly under ȳ Poles, have a parallel Horizon: and our selves together ẅ all other inhabitants of ȳ earth, have an oblique Horizō. The Meridian is a greater Immovable circle which is drawn through ȳ Poles of ȳ world, & ȳ Poles of ȳ Horizō: According to ȳ course of this Circle, ȳ gr: of ȳ Latitude of places are measured, counted from ȳ Equator, on either side of it, 90 gr: toward either Pole of ȳ world: When ȳ Sun is mounted up from ȳ Horizon to this Circle in our Hemisphear, it is then noon ẅ us, & when he arrives at ȳ oppositе point of this Circle, he makes it midnight ẅ us, and there at present we will leave him.

FINIS.